# NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NO.NC/FQ/YD/2019-20/W4-LBS

Date: 06-01-2020

To,
The Executive Engineer,
Yelahanka Division
Bangalore.

## "FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work

Name of Work: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division

| Item No | Description of work | Unit | Qty | No of Samples Tested | Standards |
|---|---|---|---|---|---|
| 1 | KSRRB M2100-10: Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ | Cum | 173.34 | 2 | Per 100 cum |
| 2 | Providing and laying plain/reinforced cement concrete for side drains using M20 | Cum | 346.67 | 7 | Per 50 cum |
| 3 | KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including | Ton | 24.37 | 2 | For each dia |

With respect to the above subject & name of the work, we have tested the materials and the Quantity of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-LBS -C1

Date: 18-11-2019

## 1. TEST REPORT ON CEMENT:

**Sub**: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
**Ref.**: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

**TABLE 1.1:**

| SL No | Name of Test | Test Results | Requirements as per IS 8112-1989 |
|---|---|---|---|
| 1 | Initial setting time | 165 min | Shall not be less than 30 min |
| 2 | Final setting time | 285 min | Shall not be more than 600 min |
| 3 | Fineness (by dry sieving on IS 90 micron sieve) | 2.15 % | Not to exceed 10.0% |
| 4 | Soundness test(by Le-Chatelier's method) | 2.03 mm | Shall not be more than 10 mm |
| 5 | Compressive strength<br>a) 3 days (average of three results) | 28.55 N/Sq mm | Shall not be less than 27 N/Sqmm |

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Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W4-LBS -PCC1

Date: 18-11-2019

## 1. TESTING OF COARSE AND FINE AGGREGATES:

**Sub**: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
**Ref.**: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### 1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

| IS Sieve Size, mm | Percentage passing | Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing | |
|---|---|---|---|
| | 40 mm Sample | Single size | Graded |
| 40mm | 100.00 | 85-100 | 90 – 100 |
| 20mm | 65.25 | 0 -20 | 30- 70 |
| 10mm | 24.10 | 0 -5 | 10- 35 |
| 4.75mm | 3.70 | ------ | 0- 5 |

### 2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

| IS Sieve Size, mm | Percentage Passing | Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing | | | Remarks |
|---|---|---|---|---|---|
| | | Zone-I | Zone-II | Zone -III | |
| 04.75 | 98.35 | 90-100 | 90-100 | 90-100 | The Sample Conforms to Grading **Zone-II** |
| 02.36 | 85.10 | 60-95 | 75-100 | 85-100 | |
| 01.18 | 73.45 | 30-70 | 55-90 | 75-100 | |
| 600 mic | 53.05 | 15-34 | 35-59 | 60-79 | |
| 300 mic | 18.90 | 5-20 | 8-30 | 12-40 | |
| 150 mic | 6.45 | 0-10 | 0-10 | 0-10 | |

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Page No. 1/1,

For Newzen Consultants Bangalore
Proprietor

NC/QC/YD/2019-20/W4-LBS-C2

Date: 21-11-2019

## 1. TEST REPORT ON CEMENT:

**Sub**: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

**TABLE 1.1:**

| SL No | Name of Test | Test Results | Requirements as per IS 8112-1989 |
|---|---|---|---|
| 1 | Initial setting time | 162 min | Shall not be less than 30 min |
| 2 | Final setting time | 275 min | Shall not be more than 600 min |
| 3 | Fineness (by dry sieving on IS 90 micron sieve) | 2.12 % | Not to exceed 10.0% |
| 4 | Soundness test(by Le-Chatelier's method) | 2.08mm | Shall not be more than 10 mm |
| 5 | Compressive strength<br>b) 3 days (average of three results) | 28.65 N/Sq mm | Shall not be less than 27 N/Sqmm |

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For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-LBS-C3

Date: 23-11-2019

## 1. TEST REPORT ON CEMENT:

**Sub**: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

**TABLE 1.1:**

| SL No | Name of Test | Test Results | Requirements as per IS 8112-1989 |
|---|---|---|---|
| 1 | Initial setting time | 180min | Shall not be less than 30 min |
| 2 | Final setting time | 270 min | Shall not be more than 600 min |
| 3 | Fineness (by dry sieving on IS 90 micron sieve) | 2.05 % | Not to exceed 10.0% |
| 4 | Soundness test(by Le-Chatelier's method) | 2.11 mm | Shall not be more than 10 mm |
| 5 | Compressive strength<br>a) 3 days (average of three results) | 28.86 N/Sq mm | Shall not be less than 27 N/Sqmm |

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Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W4-LBS-CA1

Date: 23-11-2019

**1. TESTING OF COARSE AGGREGATES (20 mm):**

**Sub**: Testing of Construction Materials.

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

**Table - 1.1 : SIEVE ANALYSIS :**

| IS Sieve Size, mm | Percentage passing | Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing | |
|---|---|---|---|
| | 20 mm Sample | Single size | Graded |
| 40 mm | 100.00 | 100 00 | 100 00 |
| 20 mm | 98.45 | 85-100 | 90 - 100 |
| 10 mm | 45.20 | 0 - 20 | 25 - 55 |
| 4.75 mm | 3.90 | 0 - 5 | 0 - 10 |

**TABLE 1.2 :**

| SL No | Test conducted | Results | Requirements as per IS 383-1970 & Tests Conforms to IS 2386( Part I to IV) – 1963 (Reaffirmed on 2002) |
|---|---|---|---|
| 1 | Flakiness Index | 24.58 % | Not to exceed 25 % |
| 2 | Crushing value | 27.36% | Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces |

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For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-LBS-S1 Date: 23-11-2019

## 1. TEST REPORT ON REINFORCEMENT STEEL:

**Sub**: Testing of Reinforcement Steel of diameter 10 and 12mm **TMT Steel.**

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

**TABLE – 1**

| SL No | Details | For 10 mm | | For 12 mm | |
|---|---|---|---|---|---|
| | | Test Results | Min Req as per IS 1786-2008 | Test Results | Min Req. as per IS 1786-2008 |
| 01 | Observed diameter of bar | **10.0 mm** | 10.0 mm | **12.0 mm** | 12.0 mm |
| 02 | Observed Wt/m Length **Kg/m** | **0.621** | 0.567 | **0.892** | 0.834 |
| 03 | Proof stress/Yield stress, fy , **N/mm²** | **540.0** | 500.0 | **542.0** | 500.0 |
| 04 | Bend/ Re bend Test | **Ok** | --- | **Ok** | --- |
| 05 | Percentage of Elongation, % | **20.80** | 12.00 | **21.30** | 12.00 |
| 06 | Ultimate Tensile Strength **N/mm²** | **639.0** | 545.0 | **634.0** | 545.0 |

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For Newzen Consultants Bangalore

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NC/QC/YD/2019-20/W4-LBS-CB1 Date: 02-12-2019

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
**Ref.**: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 25-11-19 | 02-12-19 | 07 | 22500 | 375 | 16.67 | 16.74 |
| | 002 | " | " | " | " | 385 | 17.11 | |
| | 003 | " | " | " | " | 370 | 16.44 | |

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Proprietor

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NC/QC/YD/2019-20/W4-LBS-CB2

Date: 04-12-2019

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

### CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 27-11-19 | 04-12-19 | 07 | 22500 | 370 | 16.44 | 16.67 |
| | 002 | " | " | " | " | 380 | 16.89 | |
| | 003 | " | " | " | " | 375 | 16.67 | |

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For Newzen Consultants Bangalore
Proprietor

NC/QC/YD/2019-20/W4-LBS-CB3

Date: 07-12-2019

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
**Ref.**: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 30-11-19 | 07-12-19 | 07 | 22500 | 375 | 16.67 | **16.30** |
| | 002 | " | " | " | " | 360 | 16.00 | |
| | 003 | " | " | " | " | 365 | 16.22 | |

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For Newzen Consultants Bangalore

Proprietor

Re

NC/QC/YD/2019-20/W4-LBS-CB5 Date: 11-12-2019

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

### CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 04-12-19 | 11-12-19 | 07 | 22500 | 355 | 15.78 | 16.15 |
| | 002 | " | " | " | " | 365 | 16.22 | |
| | 003 | " | " | " | " | 370 | 16.44 | |

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For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W4-LBS-CB1A Date: 23-12-2019

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

### CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 25-11-19 | 23-12-19 | 28 | 22500 | 505 | 22.44 | **22.81** |
| | 002 | " | " | " | " | 525 | 23.33 | |
| | 003 | " | " | " | " | 510 | 22.67 | |

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Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W4-LBS-CB3A Date: 28-12-2019

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

### CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 30-11-19 | 28-12-19 | 28 | 22500 | 500 | 22.22 | 22.89 |
| | 002 | " | " | " | " | 530 | 23.56 | |
| | 003 | " | " | " | " | 515 | 22.89 | |

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For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W4-LBS-CB4A Date: 30-12-2019

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}

**Ref.**: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

### CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 02-12-19 | 30-12-19 | 28 | 22500 | 510 | 22.67 | 22.44 |
| | 002 | " | " | " | " | 505 | 22.44 | |
| | 003 | " | " | " | " | 500 | 22.22 | |

NEWZEN CONSULTANT * BANGALORE *

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Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W4-LBS-CB5A Date: 01-01-2020

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
**Ref.**: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 04-12-19 | 01-01-20 | 29 | 22500 | 495 | 22.00 | **22.30** |
| | 002 | " | " | " | " | 510 | 22.67 | |
| | 003 | " | " | " | " | 500 | 22.22 | |



For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA,
JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187

NC/QC/YD/2019-20/W4-LBS-CB6A

Date: 02-01-2020

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
**Ref.**: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 05-12-19 | 02-01-20 | 28 | 22500 | 510 | 22.67 | **22.67** |
| | 002 | " | " | " | " | 515 | 22.89 | |
| | 003 | " | " | " | " | 505 | 22.44 | |

NEWZEN CONSULTANT * BANGALORE *

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For Newzen Consultants Bangalore

Proprietor

NC/QC/YD/2019-20/W4-LBS-CB7A

Date: 04-01-2020

## 1. TEST REPORT ON CEMENT CONCRETE CUBES:

**Sub**: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to Roads and Drains at SC/ST area of LBS Nagara Allalsandra and surrounding areas in ward 04 of Yelahanka Sub Division.}
**Ref.**: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

### RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : $M_{20}$

**TABLE 1.1:**

| Sl No | Location/ Identification* | Date of Casting* | Date of Testing | Age in Days | C/S Area in $mm^2$ | Maximum Load in K.N | Compressive Strength ($N/mm^2$) | Avg. Value |
|---|---|---|---|---|---|---|---|---|
| 1 | 001 | 07-12-19 | 04-01-20 | 28 | 22500 | 520 | 23.11 | 22.74 |
| | 002 | " | " | " | " | 510 | 22.67 | |
| | 003 | " | " | " | " | 505 | 22.44 | |

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For Newzen Consultants Bangalore

Proprietor